

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-38 (canceled).

Claim 39 (previously presented) A manufacturing method of a head gimbal assembly comprising the steps of:

preparing a precise positioning actuator with a pair of movable arms capable of displacing in response to a drive signal applied thereto;

catching a head slider with at least one head element in a space between said movable arms of said actuator, a spacing between said pair of movable arms being slightly less than a width of said head slider to be caught, said catching step comprising provisionally fixing said head slider between said movable arms by a pinching force of said movable arms, and then securely fixing said head slider to said movable arms by curing an adhesive after the provisional fixing; and

fixing said actuator with said caught head slider to a support.

Claims 40-42 (canceled).

Claim 43 (previously presented) The manufacturing method as claimed in claim 39, wherein said fixing step comprises fixing said actuator to said support with an adhesive or a solder.

Claim 44 (previously presented) The manufacturing method as claimed in claim 39, wherein said movable arms have at their top end sections slider fixing sections, and wherein the catching step comprises fixing said slider fixing sections of said movable arms to side surfaces of said head slider, respectively.

Claim 45 (previously presented) The manufacturing method as claimed in claim 44, wherein said actuator has a shape so that there exists air gaps between said movable arms and side surfaces of said head slider except for said slider fixing sections, respectively.

Claim 46 (previously presented) The manufacturing method as claimed in claim 39, wherein said actuator comprises a base fixed to said support, said movable arms extending from said base.

Claim 47 (previously presented) The manufacturing method as claimed in claim 46, wherein said base is made of an elastic sintered ceramic.

Claim 48 (previously presented) The manufacturing method as claimed in claim 47, wherein said elastic sintered ceramic is ZrO_2 .

Claim 49 (previously presented) The manufacturing method as claimed in claim 39, wherein each of said movable arms comprise an arm member made of an elastic sintered ceramic, and a piezoelectric element formed on a side surface of said arm member.

Claim 50 (previously presented) The manufacturing method as claimed in claim 49, wherein said elastic sintered ceramic is ZrO_2 .

Claim 51 (previously presented) A manufacturing method as claimed in claim 39, wherein said actuator has a rough U-plane shape.

Claim 52 (previously presented) The manufacturing method as claimed in claim 39, wherein said actuator has a thickness equal to or less than a thickness of the head slider caught.

Claim 53 (previously presented) The manufacturing method as claimed in claim 39, wherein said at least one head element is at least one thin-film magnetic head element.